

Add & Subtract Rational Expressions with Like Denominators

Geometry

Directions: Add or Subtract. Simplify.

$$1.) \frac{7s}{10} - \frac{2s}{10}$$

$$2.) \frac{4x+3}{x+2} + \frac{3x+4}{x+2}$$

$$3.) \frac{6x}{12bx} + \frac{4b}{12bx}$$

$$4.) \frac{4x+3}{x+2} - \frac{3x+1}{x+2}$$

$$5.) \frac{3y+4}{y^2+2y-15} - \frac{2y-7}{y^2+2y-15}$$

$$6.) \frac{a-1}{a^2-2a+1} + \frac{5-3a}{a^2-2a+1}$$

$$7.) \frac{x^2-y^2}{x+y} + \frac{x^2-y^2}{x+y}$$

$$8.) \frac{3x^2+8x+8}{2x^2-2x} - \frac{x^2+6x+8}{2x^2-2x}$$

$$9.) \frac{3r-1}{r^2-8r+12} - \frac{r+3}{r^2-8r+12}$$

$$10.) \frac{n-2}{9n-36} + \frac{n-6}{9n-36}$$

$$11.) \frac{r+2}{5r^2+25r+20} + \frac{4r+3}{5r^2+25r+20}$$

$$12.) \frac{5}{6k^2+12k} - \frac{k+6}{6k^2+12k}$$

$$13.) \frac{x^4-3}{x^2-1} + \frac{2}{x^2-1}$$

$$14.) \frac{3x-5}{4x} - \frac{3x+1}{4x}$$

$$15.) \frac{x(x-1)}{x+4} + \frac{-x-24}{x+4}$$

$$16.) \frac{2x(x-2)}{x^2-16} - \frac{x^2-9x-4}{x^2-16}$$